

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-8 (cancelled)

9. (currently amended) ~~Device~~ A device for production of a beverage by infusion of a ground product, the device comprising:

an infusion chamber (2) able to receive the ground product,

a circuit of hot water crossing ~~aforementioned~~ the infusion chamber (2), and

a means for circulating the hot water in the circuit, ~~characterized in that~~ wherein the circulation means is ~~are~~ reversible so that the hot water can be circulated through the infusion chamber (2) during beverage production in the opposite direction.

10. (currently amended) ~~Device~~ The device according to claim 9, in which the circulation means ~~are~~ is a pump (8) whose direction of operation is controlled so as to form the means for reversing the hot water circulation through infusion chamber (2).

11. (currently amended) ~~Device according to claim 9~~
~~characterized in that~~ A device for production of a beverage by
infusion of a ground product, the device comprising:

an infusion chamber able to receive the ground
product, the

a circuit of hot water circuit, wherein the hot water
circuit includes an extraction circuit (11) crossing the
infusion chamber (2) and a peripheral circuit (9) parallel to
the extraction circuit (11) between an inlet valve (5),
upstream of the infusion chamber (2), and an outlet valve (6),
downstream of the infusion chamber (2), ~~aforementioned wherein~~
the inlet and outlet valves (5, 6) being are configured to allow
closed loop circulation in the extraction circuit (11) and the
peripheral circuit (9).

12. (currently amended) ~~Device~~ The device according
to claim 11 ~~characterized in that,~~ wherein the inlet valve (5)
has a line connected to a hot water supply (7).

13. (currently amended) ~~Device~~ The device according
to claim 12 ~~characterized in that,~~ wherein the outlet valve
(6) has a line connected to a beverage outlet (10).

14. (currently amended) ~~Device~~ The device according
to claim 11 ~~characterized in that,~~ wherein the extraction

circuit (11) and the peripheral circuit (9) have an overall volume corresponding to that of the beverage to be produced.

15. (currently amended) ~~Coffee~~ A coffee machine for use with prepackaged doses (1) of ground coffee—~~characterized in that it includes a,~~ coffee machine comprising the device according to ~~any of~~ claim 9.

16. (currently amended) ~~Process~~ A process for producing a beverage by infusion of a ground product, in which the ground product is introduced into an infusion chamber (2) and hot water is circulated through the ~~aforementioned~~ infusion chamber (2), ~~characterized in that~~ wherein, during the production of the beverage, the circulation of hot water is stopped and the direction of the circulation through the infusion chamber (2) is reversed.

17. (currently amended) ~~Device according to claim 10 characterized in that~~ A device for production of a beverage by infusion of a ground product, the device comprising:

an infusion chamber (2) able to receive the ground product,

a circuit of hot water crossing the infusion chamber (2), and

a means for circulating the hot water in the circuit,

wherein the circulation means is a pump that is adapted to be reversible to reverse the hot water circulation through the infusion chamber (2) during beverage production,

wherein the hot water circuit includes an extraction circuit (11) crossing the infusion chamber (2) and a peripheral circuit (9) parallel to the extraction circuit (11) between an inlet valve (5), upstream of the infusion chamber (2), and an outlet valve (6), downstream of the infusion chamber (2), ~~aforementioned~~ wherein the inlet and outlet valves (5, 6) being are configured to allow closed loop circulation in the extraction circuit (11) and the peripheral circuit (9).

18. (currently amended) ~~Device~~ The device according to claim 17 ~~characterized in that,~~ wherein the inlet valve (5) has a line connected to a hot water supply (7).